

To: Peter Israelsson[pisraelsson@anchorqea.com]; Garland, Edward[Edward.Garland@hdrinc.com]
Cc: Robert Law[rlaw@demaximis.com]; John Connolly[jconnolly@anchorqea.com]; Wen Ku[wku@anchorqea.com]; Peter Oates[poates@anchorqea.com]; LaPoma, Jennifer[LaPoma.Jennifer@epa.gov]; Scott F Kirchner[KirchnerSF@cdmsmith.com]; Frantz, Aaron[FrantzAR@cdmsmith.com]
From: Wands, James
Sent: Fri 9/23/2016 8:14:43 PM
Subject: RE: Lower Passaic River RI/FS - modeling meeting follow-up

All,

I took a look at the code to check on the temperature and salinity corrections to partitioning. As was noted previously the model inputs were set up such that the log of the apparent POC partition coefficient was input in the K_{OW} field of the model input. The a_{DOC} in the input was set such that the DOC partition coefficient would work out to $0.08 * K_{OW}$. Looking at the code transferred to the CPG the temperature and salinity corrections were applied to the partitioning for detrital and algal POC but not for DOC. This dates back to the CARP application of RCATOX and I would need to take a look back to see the reason that we used that approach.

Regards,

James

From: Peter Israelsson [<mailto:pisraelsson@anchorqea.com>]
Sent: Wednesday, September 21, 2016 10:44 AM
To: Wands, James; Garland, Edward
Cc: Robert Law; John Connolly; Wen Ku; Peter Oates; LaPoma, Jennifer; Scott F Kirchner; Frantz, Aaron
Subject: RE: Lower Passaic River RI/FS - modeling meeting follow-up

I am resending the attachments to include Jennifer, Aaron, and Scott on the distribution, per request from James below.

Thanks,

Peter

Peter H. Israelsson, PhD

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From: Wands, James [<mailto:James.Wands@hdrinc.com>]

Sent: Wednesday, September 21, 2016 10:04 AM

To: Peter Israelsson <pisraelsson@anchorqea.com>; Garland, Edward <Edward.Garland@hdrinc.com>

Cc: Robert Law <rlaw@demaximis.com>; John Connolly <jconnolly@anchorqea.com>; Wen Ku <wku@anchorqea.com>; Peter Oates <poates@anchorqea.com>; LaPoma, Jennifer <LaPoma.Jennifer@epa.gov>; Scott F Kirchner <KirchnerSF@cdmsmith.com>; Frantz, Aaron <FrantzAR@cdmsmith.com>

Subject: RE: Lower Passaic River RI/FS - modeling meeting follow-up

Peter,

Please copy Jennifer LaRosa, Scott Kirchner, and Aaron Frantz.

Thanks,

James

Sent via the Samsung Galaxy S@6 active, an AT&T 4G LTE smartphone

----- Original message -----

From: Peter Israelsson <pisraelsson@anchoragea.com>

Date: 9/21/16 9:59 AM (GMT-05:00)

To: "Garland, Edward" <Edward.Garland@hdrinc.com>, "Wands, James" <James.Wands@hdrinc.com>

Cc: Robert Law <rlaw@demaximis.com>, John Connolly <jconnolly@anchoragea.com>, Wen Ku <wku@anchoragea.com>, Peter Oates <poates@anchoragea.com>

Subject: Lower Passaic River RI/FS - modeling meeting follow-up

Ed and James,

Thanks for the productive meeting yesterday.

As requested, attached are the materials reviewed on the following topics (agenda items 6 and 7):

- Investigation of the CFT Model Fluff Layer
- Investigation of Bulk Density Representation in OC/CFT Models

Regards,

Peter

Peter H. Israelsson, PhD

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